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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/856,063	07/12/2001	Helmut Burklin	PF 980079	3649

7590                      01/18/2005  
 Joseph S Tripoli  
 Thomson Multimedia Licensing Inc  
 CN 5312  
 Princeton, NJ 08543-0028

EXAMINER

GANTT, ALAN T

ART UNIT	PAPER NUMBER
2684	

2684

DATE MAILED: 01/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.	Applicant(s)	
09/856,063	BURKLIN ET AL.	
Examiner	Art Unit	
Alan T. Gantt	2684	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1)  Responsive to communication(s) filed on 07 September 2004.
- 2a)  This action is FINAL.                      2b)  This action is non-final.
- 3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4)  Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5)  Claim(s) 1-12 is/are allowed.
- 6)  Claim(s) 13 is/are rejected.
- 7)  Claim(s) \_\_\_\_\_ is/are objected to.
- 8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9)  The specification is objected to by the Examiner.
- 10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a)  All    b)  Some \*    c)  None of:
1.  Certified copies of the priority documents have been received.
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1)  Notice of References Cited (PTO-892)
- 2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5)  Notice of Informal Patent Application (PTO-152)
- 6)  Other: \_\_\_\_\_.

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## DETAILED ACTION

### *Response to Arguments*

Applicant's arguments filed 9/07/04 have been fully considered. Applicant has made modification to claim 1 to overcome the 112 rejection. The original claims are now in condition for allowance. Applicant has added claim 13 as an independent claim. Due to the broadness of the claim, a Second Office Action rejection is presented for applicant's response.

### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 13 is rejected under 35 U.S.C. 103(a) as being unpatentable over IEEE 1394.1 Bridge Standards Meeting /Talk Title: Wireless Bridge with Virtual Bus/ Sato, in view of Iijima.

Regarding claim 13, Sato in his talk Wireless Bridge with Virtual Bus discloses the possibilities of wirelessly connecting n 1394.1 buses with two portal bridges. Thus, Sato meets the preamble

A method for managing isochronous resources in a communication network comprising more than two communication buses linked by way of a wireless transmission bridge, the bridge comprising for each bus a portal connected to this bus, each portal being provided with wireless communication means (see abstract of the talk on page 3 of 6).

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However Sato is silent regarding the registers of the limitations.

Iijima discloses a communication control method and system that makes use of isochronous resource manager that includes bandwidth available registers (global passband register equivalent) in which the number of bandwidths of transmission line may be written which seems to be the equivalent of the reserved passband for each wireless link between the two portals. Thus, Iijima meets the following limitation:

providing a global register of passband availability for the set of wireless links of the wireless bridge; (col. 13, lines 50-63)

reserving passband with the global register for each wireless link participating in a communication between two portals. (col. 13, lines 50-63)

Sato and Iijima are combinable because they share a common endeavor, namely isochronous resource management. At the time of the applicant's invention it would have been obvious to modify the discussion of Sato to include the discussion of global and reserved passband as done by Iijima as a means of keeping necessary organization of the system.

***Allowable Subject Matter***

Claims 1-12 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the method and modeling techniques for managing isochronous resources in a communication network were neither found, suggested, nor made evident by the prior art.

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*Conclusion*

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication from the examiner should be addressed to Alan Gantt at telephone number (703) 305-0077. The examiner can normally be reached between 9:30 AM and 6 PM within the Eastern Time Zone. The group FAX number is (703) 872-9306.

Any inquiry of a general nature or relating to this application should be directed to the group receptionist at telephone number (703) 305-4700.

*Alan T. Gantt*

Alan T. Gantt

January 8, 2005

*Nick Corsaro*

**NICK CORSARO  
PRIMARY EXAMINER**